

O I P E J C T 1 2
O C T 2 9 2 0 0 4
P A T E N T & T R A D E M A R K O F F I C E

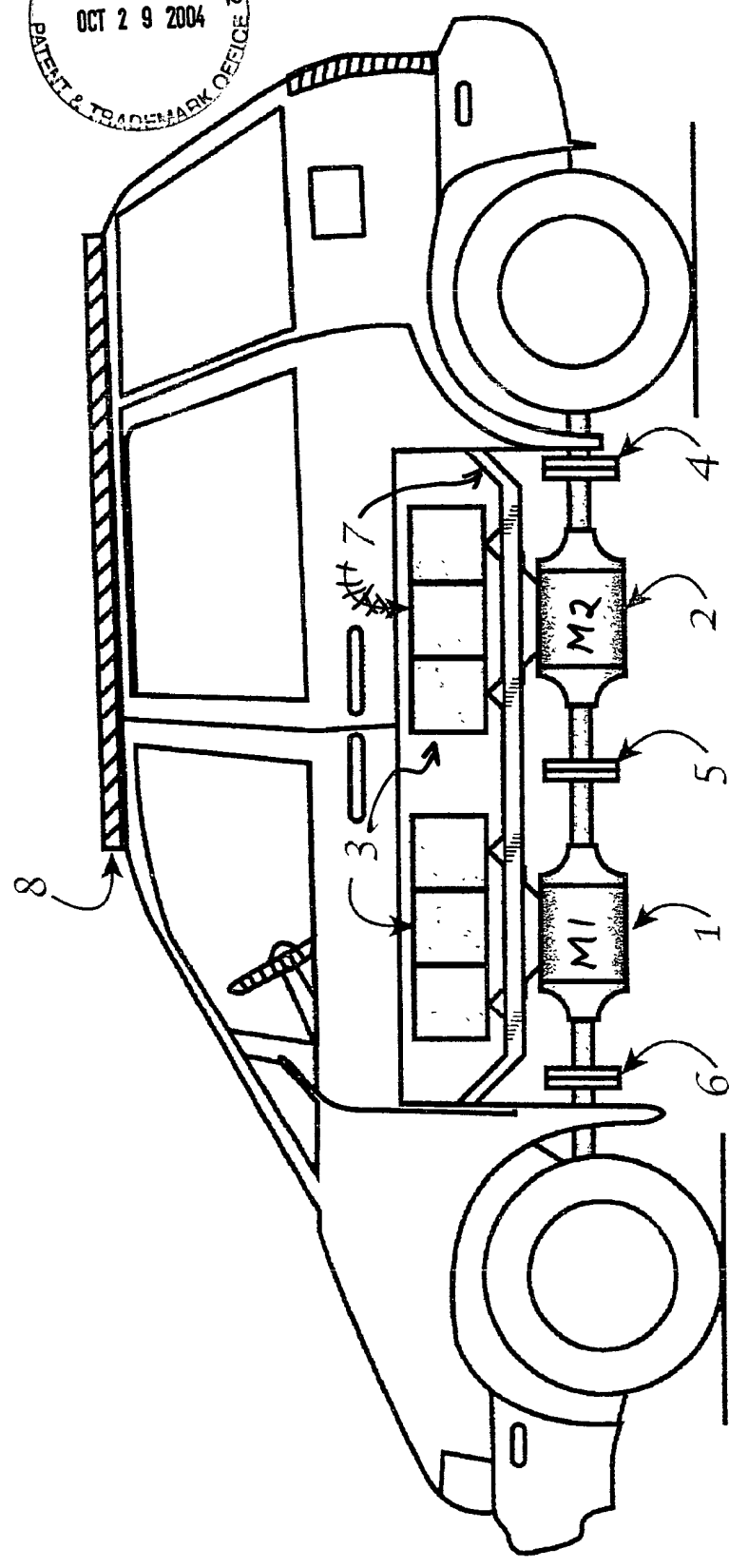


FIG. 1

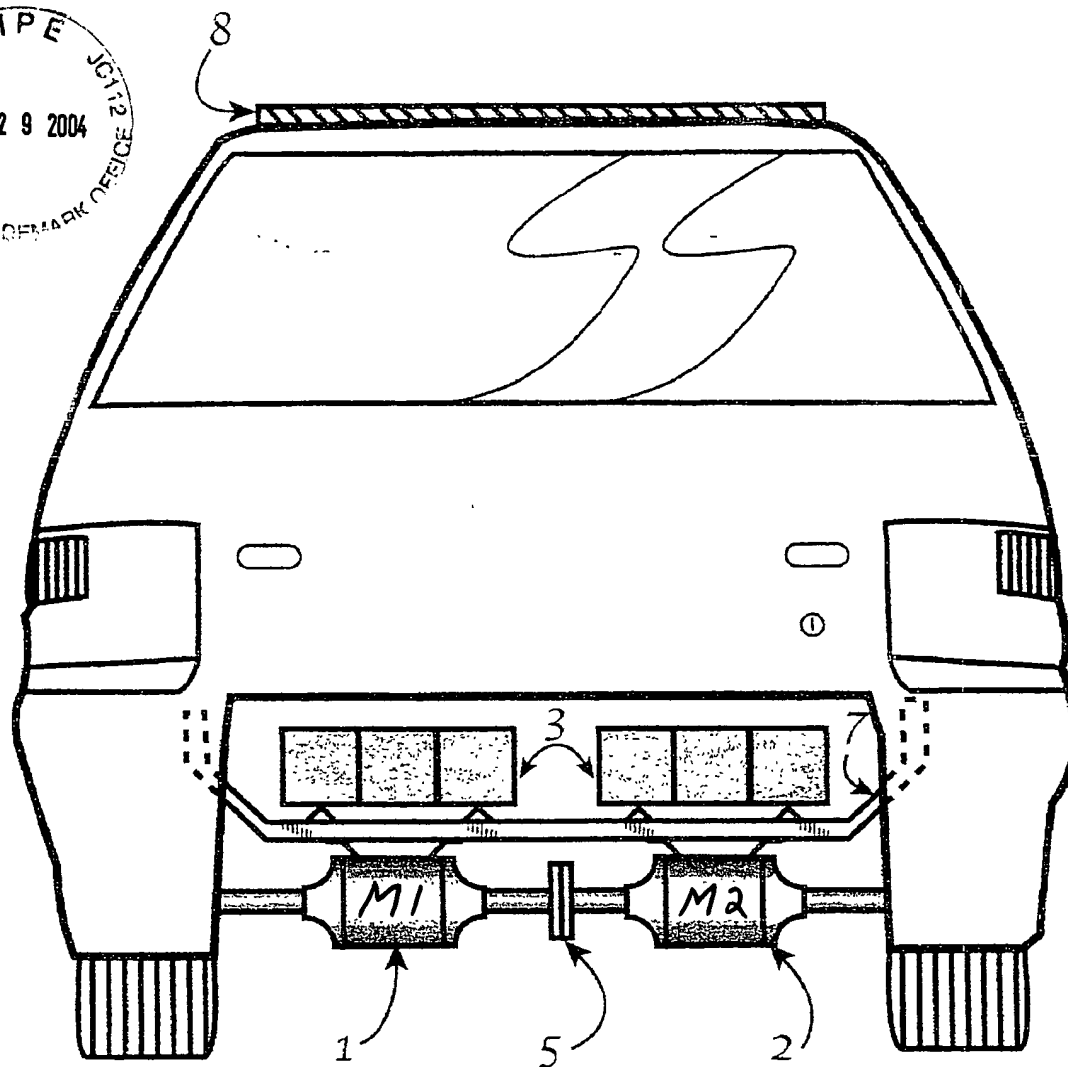


FIG.2

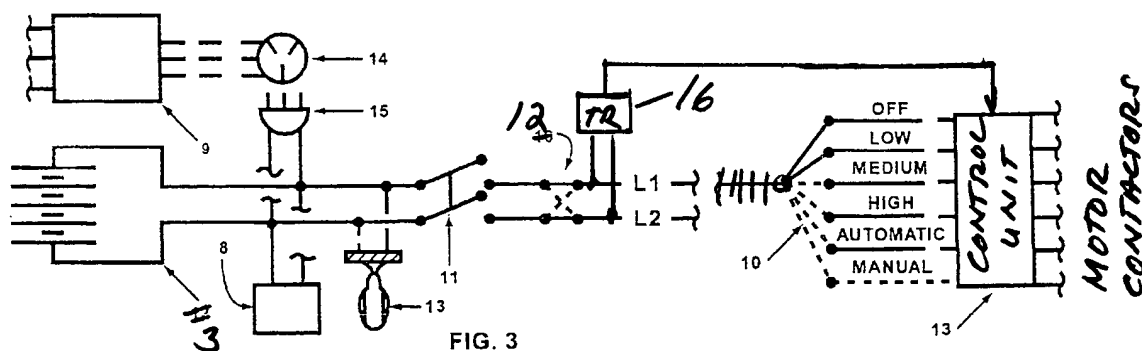
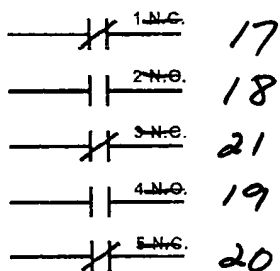
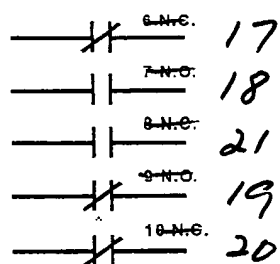


FIG. 3

POSITION
1
(LOW SPEED)



POSITION
2
(MEDIUM SPEED)



POSITION
3
(HIGH SPEED)

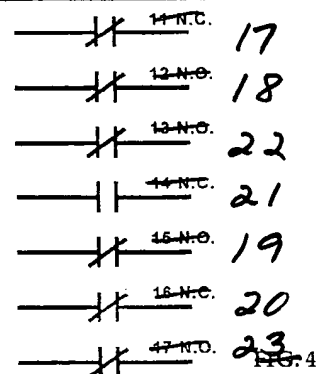
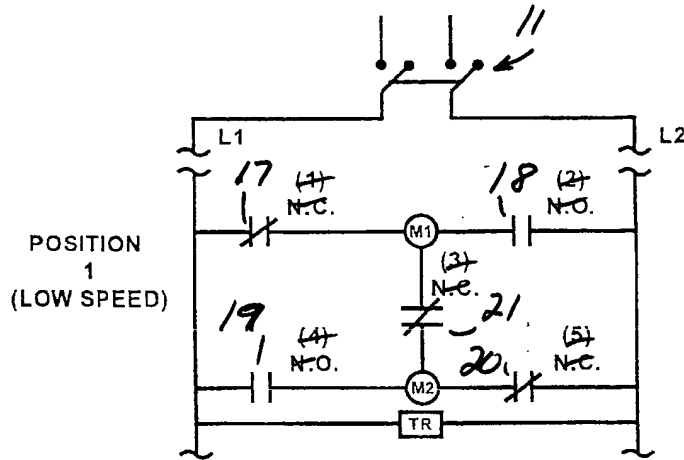
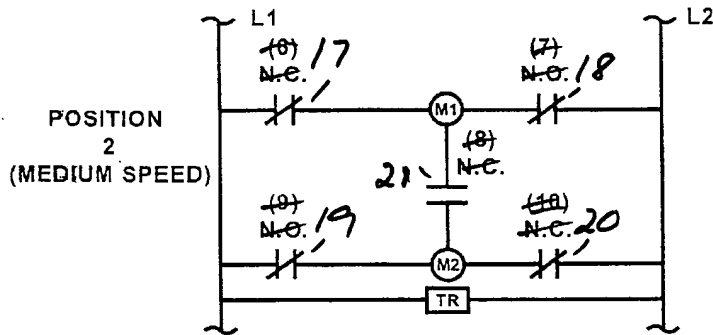


FIG. 4

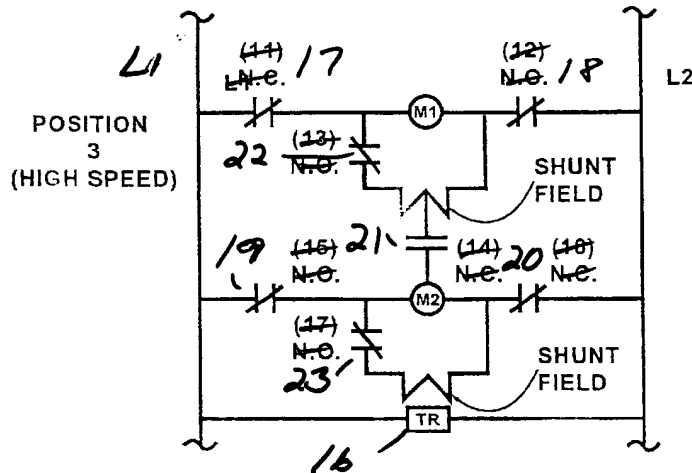
F-16.4



TWO SERIES MOTORS
CONNECTED IN
SERIES



TWO SERIES MOTORS
CONNECTED IN
PARALLEL



TWO COMPOUND
MOTORS CONNECTED
IN PARALLEL

FIG. 5

SYMBOLS	
	FUEL CELL
M1	MOTOR NO. 1 CONTACTOR
M2	MOTOR NO. 2 CONTACTOR
N.O.	NORMALLY OPEN INTERLOCK
N.C.	NORMALLY CLOSED INTERLOCK
	SHUNT FIELD
TR	TRANSITION RELAY

— OPEN CONTACT
— CLOSED CONTACT